| 11/09/2004 RIEKONE1 0000018 200888 096933869 1 FC:1504 300.00 GP 4 November 2004 Q3 F0:4504 15.00 GP 15.00 GP 4 November 2004 Q3 F0:4504 15.00 GP 15.00 G | | P.O. Box 1450 | n applicable fee(s), to: | his form, together wh | Complete and send th |
|--|---|---|--|---|--|
| Note: A certificate of mailing can only be used for domestic mails feet by the mail of any other score papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for domestic mails feet). Transmittal in this certificate cannot be used for any other score papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for domestic mails feet). Transmittal is being for any other score papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for domestic mails feet). The papers of the papers are papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for domestic mails feet). The papers are papers and the papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for domestic mails feet). The papers are papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for any other score papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for any other score papers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing can only be used for any other score papers. Each additional papers, such as an assignment or formal draw have its own certificate of the mail Story or transmission. In the part of the mail Story or transmission. In the part of the papers of the mail Story or agents of the mail Story. The such as decreased and the such as a set forth in 37 Interest papers. Each additional paper, such as an assignment is formal transmission. In the part of the patent, from papers are also and the such as a set forth in 37 Interest papers. Each additional papers, such as an assignment assignment is identified below, the document has been conditional p | quired). Blocks 1 through 5 should be completed wh will be mailed to the current correspondence address ss; and/or (b) indicating a separate "FEE ADDRESS" | PUBLICATION FEE (if rec ification of maintenance fees a new correspondence addre | smitting the ISSUE FEE and Patent, as ance orders and not THABLOOK 1, by (a) specifying | rm should be used by tran- respondence including be- below or directed other views | INSTRUCTIONS: This for appropriate. All further cornindicated unless corrected by maintenance fee notifications |
| Edward L. Pencoske Thorp Reed & Armstrong, LLP One Oxford Centre 301 Grant Street, 14th Floor Pittsburgh, PA 15219-1425 11/09/2004 HIEKURE1 00000118 200888 09893389 12 FC:1801 15 FC:1804 13 FC:1801 15 FC:1804 15 FC:1801 15 FC:18 | This certificate connot be used for any other accompany | Fee(c) Transmittal " | any change of address) | CE ADDRESS (Note: Use Block 1 for | CURRENT CORRESPONDENCE |
| Pittsburgh, PA 15219-1425 11/09/2004 HEKONE1 00000118 200888 09893389 11/09/2004 HEKONE1 00000118 200888 09893389 15.00 IP 15.00 | Cartificate of Mailing or Transmission | • | | nstrong, LLP | Thorp Reed & Arms One Oxford Centre |
| 1. Cit. 1504 300, 00 Bp 4 November 2004 150, 00 Bp 4 November 2004 150, 00 Bp | | | | 19-1425 | Pittsburgh, PA 1521 |
| APPLICATION 15.00 BP | . Coldren (Signat | Richard & | 89 | 000118 200888 098933 | 11/09/2004 MMEKONE1 000 |
| STOCKET NO. 40 60 BA FILING BATTORNEY DOCKET NO. CONFIRMATION | | | i i | | 01 FC:1504 |
| APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DU nonprovisional NO \$1330 \$300 \$1630 \$11/05/200 EXAMINER ART UNIT CLASS-SUBCLASS TRAN, MICHAEL THANH 2818 365-051000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1,363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. XX**Tee Address** indication (or "Fee Address* Indication form PTO/SB/47; Rev 03-42 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Please check the appropriate assignee category or categories (will not be printed on the patent); individual \$\frac{1}{2}\$ corporation or other private group entity Q g 4a. The following fee(s) are enclosed: XX Issue Fee XY Issue Fee XY Advance Order - # of Copies five [5] (X) The Director is hereby authorized by charge the required fee(s), or credit any overplepoist Account Number 100 persons the centred on each of this form). CITY The Director of the representation of this form) of this form). | ATTORNEY DOCKET NO. CONFIRMATION NO. | D INVENTOR | FIRST NAME | | 13 F04450CATION NO. 40. |
| APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DU nonprovisional NO \$1330 \$330 \$1630 \$11/05/200 EXAMINER ART UNIT CLASS-SUBCLASS TRAN, MICHAEL THANH 2818 365-051000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. XX**Tee Address** indication (or "Fee Address" Indication form PTO/SB/142) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Boise, Idaho Please check the appropriate assignee category or categories (will not be printed on the patent); individual | DB000575-014 6114 | t Keeth | Brent | 06/28/2001 | 09/893,389 |
| EXAMINER ART UNIT CLASS-SUBCLASS | | | OM ACCESS MEMORY | 56 MEG DYNAMIC RAND | |
| TRAN, MICHAEL THANH 2818 365-051000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. XX "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Boise, Idaho Please check the appropriate assignee category or categories (will not be printed on the patent); individual \$\text{\text | TOTAL FEE(S) DUE DATE DUE | PUBLICATION FEE | ISSUE FEE | SMALL ENTITY | APPLN. TYPE |
| TRAN, MICHAEL THANH 2818 365-051000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. XX "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filling an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Please check the appropriate assignee category or categories (will not be printed on the patent.); As The following fee(s) are enclosed: XX Issue Fe XX Issue Fe XX Sesue Fee XX Advance Order - # of Copies five (5) (5) (7) the names of up to 3 registered patent attorneys or agents. If no name is registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is registered attorney or agent and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 3 ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) As check in the amount of the fee(s) is enclosed. (A) Payment of Fee(s): (B) A check in the amount o | \$1630 11/05/2004 | \$300 | \$1330 | NO | nonprovisional |
| 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. XX "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignee data will appear on the patent. If an assignce is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Please check the appropriate assignee category or categories (will not be printed on the patent); ASSIGNEE (No small entity discount permitted) XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) Thorp Reed & Archer Thorp Reed & Archer Thorp age, list (1) the names of up to 3 registered patent attorneys or agents. Blent attorneys or agents. OR, alternatively, (2) the name of a single firm (having as a member a registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) Boise, Idaho 4b. Payment of Fee(s): XA check in the amount of the fee(s) is enclosed. YA check in the amount of the fee(s) is enclosed. YA check in the amount of the fee(s) is enclosed. YA check in the amount of the fee(s) or credit any overp. Deposit Account Number 20-0888 | ٦ | CLASS-SUBCLASS | ART UNIT | INER | EXAMI |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. XX "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Please check the appropriate assignee category or categories (will not be printed on the patent); Assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Micron Technology, Inc. Please check the appropriate assignee category or categories (will not be printed on the patent); Assignee is identified below, the document has bee recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) Boi.se, Idaho Absument of Fee(s): A check in the amount of the fee(s) is enclosed. Assignment by credit card. Form PTO-2038 is attached. | - | 365-051000 | 2818 | IAEL THANH | TRAN, MICHA |
| recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filling an assignment. (A) NAME OF ASSIGNEE Micron Technology, Inc. Boise, Idaho Please check the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity in group entity. 4a. The following fee(s) are enclosed: XX Issue Fee A check in the amount of the fee(s) is enclosed. XX Advance Order - # of Copies five (5) The Director is hereby authorized by charge the required fee(s), or credit any overposit Account Number 20-0888 (enclose an extra copy of this form). | tent attorneys 1 Is a member a ames of up to If no name is 3 | ames of up to 3 registered par OR, alternatively, ame of a single firm (having a d attorney or agent) and the nated patent attorneys or agents. name will be printed. IT (print or type) pear on the patent. If an assi | Correspondence tion form e of a Customer E PRINTED ON THE PATEN elow, no assignee data will app | ence address (or Change of 022) attached. Ion (or "Fee Address" Indicator more recent) attached. Us O RESIDENCE DATA TO Est an assignee is identified b | CFR 1.363). Change of corresponder Address form PTO/SB/12 XX*Fee Address* indication PTO/SB/47; Rev 03-02 on Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless |
| Micron Technology, Inc. Boise, Idaho Please check the appropriate assignee category or categories (will not be printed on the patent); individual Scorporation or other private group entity at a. The following fee(s) are enclosed: 4b. Payment of Fee(s): XX Issue Fee XA check in the amount of the fee(s) is enclosed. XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) Deposit Account Number 20-0888 (enclose an extra copy of this form) | | e for filing an assignment. | of this form is NOT a substitute | 1 37 CFR 3.11. Completion | recordation as set forth in |
| Please check the appropriate assignee category or categories (will not be printed on the patent); 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): XX Issue Fee 4c. A check in the amount of the fee(s) is enclosed. XX Advance Order - # of Copies five (5) 4d. Payment of Fee(s): YX Advance Order - # of Copies five (5) YX The Director is hereby authorized by charge the required fee(s), or credit any overpuberosit Account Number 20-0888 (enclose an extra copy of this form) | OUNTRY) | , | ` ' | | • • |
| 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): 4b. Payment of Fee(s): 4b. Payment of Fee(s): 4c. A check in the amount of the fee(s) is enclosed. 4c. Payment of Fee(s): 4b. Payment of Fee(s): 4c. Paym | | Idaho [,] | Boise, | hnology, Inc. | Micron Tech |
| 4a. The following fee(s) are enclosed: **XX Issue Fee **XA Check in the amount of the fee(s) is enclosed. **XX Advance Order - # of Copies five (5) | corporation or other private group entity governm | notent): Dindividual X | ries (will not be printed on the | o occionas cotagony or cotago | Please check the appropriate |
| XX Issue Fee XX On the A check in the amount of the fee(s) is enclosed. XX Publication Fee (No small entity discount permitted) XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) XX The Director is hereby authorized by charge the required fee(s), or credit any overpuble of the fee(s) is enclosed. XX Advance Order - # of Copies five (5) XX Advance Order - # of Copies five (5) | corporation of other private group entity — government | | * | | |
| XXAdvance Order - # of Copies <u>five (5)</u> 2 The Director is hereby authorized by charge the required fee(s), or credit any overposit Account Number <u>20-0888</u> (enclose an extra copy of this form) | enclosed. | in the amount of the fee(s) is | △A check | | XX Issue Fee |
| Deposit Account Number 20-0888 (enclose an extra copy of this form) | 38 is attached. | by credit card. Form PTO-202 | d) 🚨 Payment | | |
| | charge the required fee(s), or credit any overpayment (enclose an extra copy of this form). | ector is hereby authorized by | Of The Direction Deposit Acc | Copies <u>five (5)</u> | XX Advance Order - # of C |
| □ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. □ b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2). | | | e) | | |
| The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified ab NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or oth interest as shown by the records of the United States Patent and Trademark Office. | | | will not be accepted from anyon | ublication Fee (if required) | NOTE: The Issue Fee and Pu |
| (Authorized Signature) (Date) Richard Cordun 4 November 2004 | | ember 2004 | 4 Nove | Coldun | Richard L. |
| This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, presubmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Comm Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Alexandria, Virginia 22313-1450. | y the public which is to file (and by the USPTO to proc 2 minutes to complete, including gathering, preparing, comments on the amount of time you require to comp nd Trademark Office, U.S. Department of Commerce, P 3SS. SEND TO: Commissioner for Patents, P.O. Box 14 | I to obtain or retain a benefit billection is estimated to take I apon the individual case. Any mation Officer, U.S. Patent a D FORMS TO THIS ADDRI | 11. The information is required, 122 and 37 CFR 1.14. This of CO. Time will vary depending thould be sent to the Chief Infor SEND FEES OR COMPLETE | s for reducing this burden, s inia 22313-1450. DO NOT | Box 1450, Alexandria, Virgin |
| Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. | it displays a valid OMB control number. | llection of information unless | s are required to respond to a co | ction Act of 1995, no person | Under the Paperwork Reduct |

TRANSMIT THIS FORM WITH FEE(S)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to

Mail Stop Issue Fee Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: 4 November 2004

Appl. No.:

09/893,389

Applicant(s): Keeth et al.

Filed:

28 June 2001

Title:

256 MEG DYNAMIC RANDOM ACCESS MEMORY

Art Unit:

2818

Examiner:

Michael Thanh Tran

Docket No.:

DB000575-014

TRANSMITTAL LETTER

To:

Mail Stop Issue Fee

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing are the following:

- an Issue Fee Transmittal, Part B (PTO Form PTOL-85B); 1.
- 2. a Fee Address Indication Form;
- a check in the amount of \$1,645.00 as the requisite Fee under 37 C.F.R. 3. §1.18(a), §1.18(d) and for five (5) advanced copies of the issued patent.

The Commissioner is hereby authorized to charge any underpayment or credit any overpayment to our Deposit Account No. 20-0888. A copy of this transmittal letter is enclosed.

Also enclosed is a return postcard. Please date stamp and mail the postcard to acknowledge receipt of the above-mentioned correspondence.

Respectfully submitted,

Richard J. Coldren Reg. No. 44,084

Thorp Reed & Armstrong, LLP

One Oxford Centre

301 Grant Street, 14th Floor Pittsburgh, PA 15219-1425

(412) 394-2442

Attorneys for Applicant

Date: 4 November 2004